

## CLAIMS

1. Sprayer for spraying liquids, particularly for agricultural purposes, with a carrier liquid tank, a carrier liquid pump, several spraying nozzles and associated nozzle holders for connecting the spraying nozzles to a carrier liquid line, at least one active ingredient tank and several metering pumps for delivering active ingredients connectable to the active ingredient tank, characterized in that with each nozzle holder is associated at least one metering pump, which is in flow connection with the nozzle holder.
2. Sprayer according to claim 1, characterized in that there is at least one metering pump on each nozzle holder.
3. Sprayer according to claim 1 or 2, characterized in that there is a mixing chamber on each nozzle holder.
4. Sprayer according to at least one of the preceding claims, characterized in that a control unit is provided, which calculates the active ingredient quantity to be metered in in control pulses, the metering pumps having a clearly defined delivery for each working stroke and can be driven corresponding to the control pulses.
5. Sprayer according to claim 4, characterized in that the control unit determines the number of control pulses as a function of a predetermined set value for an active substance concentration and a carrier liquid quantity instantaneously delivered by the carrier liquid pump.

6. Sprayer according to claim 4 or 5, characterized in that the metering pumps can be driven by hydraulic pulses.

7. Sprayer for spraying liquids, particularly according to one of the preceding claims, having a carrier liquid tank, a carrier liquid pump, several spraying nozzles, at least one active ingredient tank and at least one metering pump connectable by at least one active ingredient supply line to the active ingredient tank, characterized in that on the active ingredient supply line is provided a compressed air connection, so that during return operation active ingredient can be forced back into the active ingredient tank.

8. Sprayer according to claim 7, characterized in that several nozzle holders with metering pumps are connected in series to the active ingredient supply line and the compressed air connection is provided downstream of the final metering pump in the active ingredient supply direction.

9. Sprayer according to claim 8, characterized in that several nozzle holders are arranged in several partial widths and with each partial width is associated a partial width active ingredient supply line with in each case one compressed air connection.

10. Nozzle holder for a sprayer according to at least one of the preceding claims, characterized by a mixing chamber.

11. Nozzle holder for a sprayer according to at least one of the preceding claims, characterized by at least one metering pump.